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~~3-20-8~~  
~~KR-GLN~~  
ELB  
FILE  
22

# Land and Lakes Co.

123 N. NORTHWEST HIGHWAY  
(312) 825-5000 / FAX (312) 825-0887

P. O. BOX 778  
PARK RIDGE, ILLINOIS 60068-0778

February 15, 1989

CERTIFIED MAIL 4/4  
P 884 744 881

Mr. Lawrence W. Eastep, P.E.  
Manager, Permit Section  
Illinois Environmental Protection Agency  
Division of Land Pollution Control  
2200 Churchill Road  
Springfield, Illinois 62706

RE: Land and Lakes #3  
0316000034/Cook County  
Supplemental Permit No. 1988-231-SP  
Alterations to Groundwater Monitoring System

*GUNWATER*

Dear Larry:

Per the conditions set forth in supplemental permit no. 1988-231-SP for the above-referenced site, monitoring wells G17D and G18S were abandoned in the following manner:

First, the protective well casing was removed. Then, using a 5-10% bentonite (dry weight) with 90-95% (dry weight) cement grout slurry mix, the well was filled from bottom to top by means of a tremie pipe. Once the slurry mix was even with the ground surface, the tremie was removed while pumping continued to ensure that the volume of the pipe was displaced by the slurry.

Enclosed for your review, please find a copy of the bore log and the as-built diagram of the new monitoring well G19D which was installed. This well is being developed and a sample will be obtained and analyzed from this well for the April 15 submittal. The well was installed with a surface location of 501 feet FWL and 13 feet FNL of the property.

If you have any questions, please call.

Sincerely,

LAND AND LAKES COMPANY

*Harry H. Morris*

Harry H. Morris, C.P.G.  
Senior Geologist

HHM:cg  
Enclosures

EPA Region 5 Records Ctr.



358221



# D & G Drilling Inc.

1037 VINE STREET, P. O. BOX 0465  
NEW LENOX, IL 60451, TEL: 815-485-3209

Date

Feb. 3, 89

Job No.

Job Address

Land & Lakes Landfill

Fixed Datum used is

122<sup>nd</sup> & Stony Island

Ground Surface this boring is

Chicago.

DEPTH		CLASSIFICATION Be Careful and Accurate	Sample Type	Sample No.	Depth	No. of 30" blow on Spoon			Recovery in.	Lost Water* or Remarks
From	To					1st 6"	2nd 6"	3rd 6"		
Grd Surface		No sampling during drilling. Logged by drilling conditions & drill cuttings.								
0'	15'	Gray clay fill								
15'	22'	Blk, f. sand, to organics.								
22'	40'	Soft, gray clay to sil. gravel.								
40'	60'	Silt - V. Silt, gray clay to sil. gravel.								
60'	80'	Hard, gray clay scattered gravel.								
80'	88'	Hard, gray clayey silt with scattered sil. large gravel.								
88'	93'	Bedrock. top of rock 88' Drilled 5' into solid rock. Set wall at 93'								
RECEIVED FEB 13 1989										

Ground Surface to 25' ft. used 4" casing.

Water level is \_\_\_\_\_ ft. below Ground surface \_\_\_\_\_ hrs. after completion.

Foreman

B. THOMASSEN

Water level is \_\_\_\_\_ ft. below Ground surface \_\_\_\_\_ hrs. after completion.

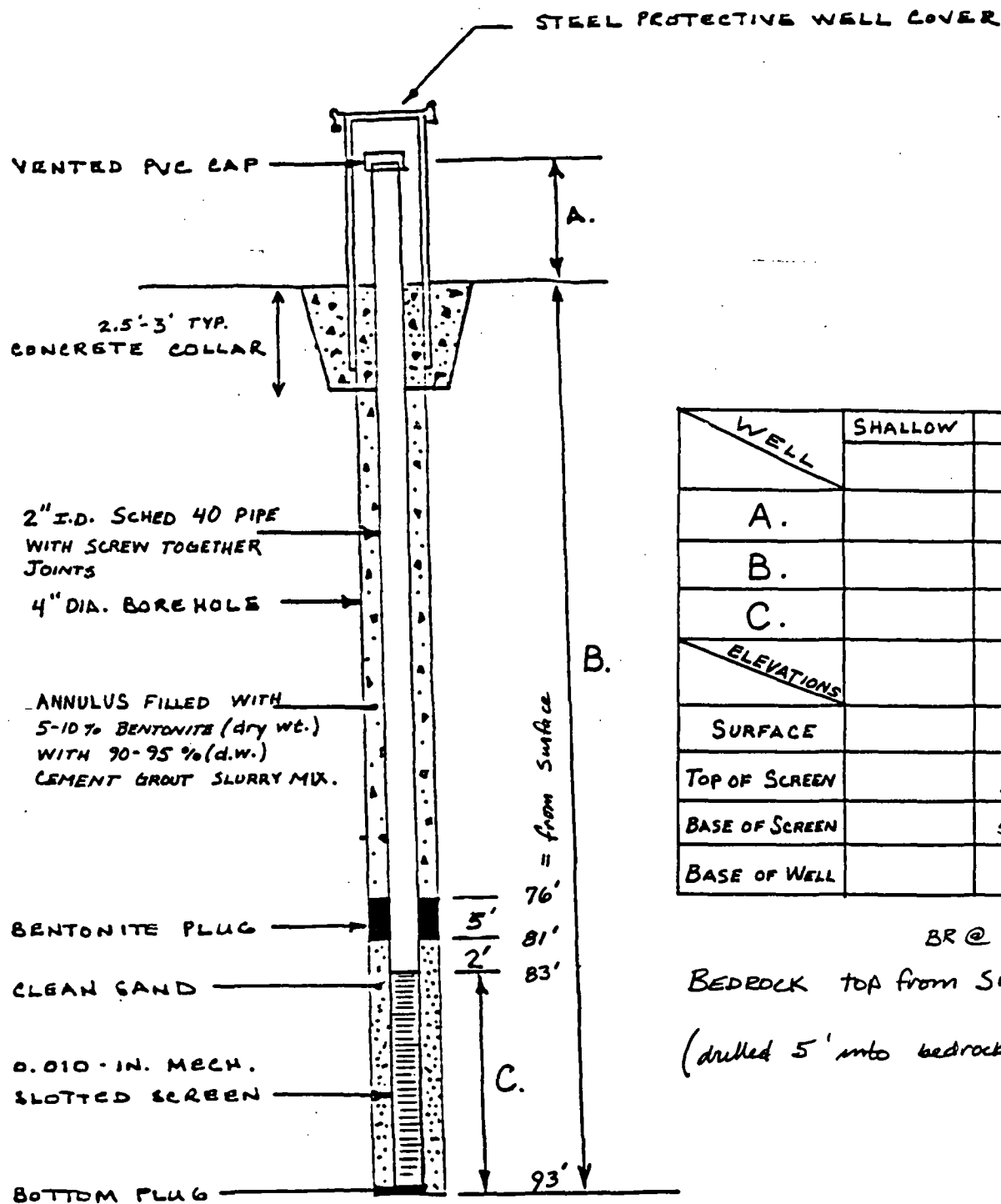
Boring stopped by

Boring No.

G19D

100

& STONY ISLAND



WELL	SHALLOW	DEEP
		G-19D
A.		2'
B.		93'
C.		10'
ELEVATIONS		
SURFACE		595.8
TOP OF SCREEN		512.8
BASE OF SCREEN		502.8
BASE OF WELL		

BR @ 507.8'  
 BEDROCK top from Surf. = 88'  
 (drilled 5' into bedrock.)

# MONITOR WELL DETAIL

INSTALLATION COMPANY: D&G Drilling

DRILLER: Barry Thomason

PROJECT NAME LAND AND LAKES # 3.  
 122 nd STREET

PROJECT NO.

DATE

FEB 3 1989